

## CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/550,584

CRF Edit Date: 10/7/05  
Edited by: W

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

J Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

7

\_\_\_ Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



PCT10

## RAW SEQUENCE LISTING

DATE: 10/07/2005

PATENT APPLICATION: US/10/550,584

TIME: 16:33:57

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\10072005\J550584.raw

```

3 <110> APPLICANT: SHINOZAKI, Kazuko
4     KATSURA, Koji
5     ITO, Yusuke
7 <120> TITLE OF INVENTION: Stress-inducible promoter and method for using the same
9 <130> FILE REFERENCE: 382.1048
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/550,584
C--> 11 <141> CURRENT FILING DATE: 2005-09-22
11 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/002563
12 <151> PRIOR FILING DATE: 2004-03-02
14 <150> PRIOR APPLICATION NUMBER: JP 2003-080847
15 <151> PRIOR FILING DATE: 2003-03-24
17 <160> NUMBER OF SEQ ID NOS: 12
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 1066
23 <212> TYPE: DNA
24 <213> ORGANISM: Oryza sativa
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Inventor: Shinozaki, Kazuko; Katsura, Koji; Ito, Yusuke
29 <400> SEQUENCE: 1
30 tcatcagcta tcatcaaagc gaaggaaaga aagaaaaata aaaggaaaag aactggctgg 60
31 aaattagaga agccccggac gactcgatct gggggtggca aattaatcag tgtgatcaac 120
32 agggataact tatcccgctc gaccaaattc accaaccaaa ccaagaccgc atttgtagg 180
33 ctgtgaaaga cggatcagtg ggaccctgat ctacggaccc catatgtcac cgtccaggtc 240
34 tctggatctc tcccgcgtc ctaatcagac accgcgcgcg cggtgccgtc gctctcgagc 300
35 cgtgtcccgc tcccactcg tcacaaaagc gatcacagac tcttccttc tctgctggga 360
36 gagaagaaaa attggccgcg atgatgccga taaagaggaa aaagggatga gaatccgatg 420
37 gaaaaaaaa actgatgtaatc tatcgctact gctgcgcaat aagacgaatc gtatccgaac 480
38 aagaaacgct tacgttactg ttctaaatg gatcgctccg ctcatcactt aacaaaaaat 540
39 cgattaggaa attgacggac agcgacgccc gaagccaagt gtctcgtcgc gtaggcgtcg 600
40 aggcctcgaa gcagaggag cggagaggcg gacgcgcgcg ccacgcctcc tctccctcgg 660
41 tgacacggcc gtctggctcc acatggcgcc gacctctccc gatgcgtcca cccgtcccga 720
42 ggcaccgcca cgtcggaacc agccggcgcc cccacgcgat tgccgacacg cgtcgcggcg 780
43 ccaactggctc acccgctgcc tgccctctgcc tgccccccat ctcgtcgcca tttccgcgcc 840
44 acgcttcttg tctcgcgctc gcctacgcgt acgtacgata caaacgcgcg acctttcgat 900
45 cccctcgcgt atataaggag ggcattctgcc tcgccacctt cttcatccga aagcaaaagc 960
46 gactcgtcac agtcaaaca agtcaagagc gaatagttct tgctgatctg ttgtttgatt 1020
47 actttagtctc tcgagaggct ttagctgaat ccatcgatcg aggatg 1066
50 <210> SEQ ID NO: 2
51 <211> LENGTH: 1245
52 <212> TYPE: DNA
53 <213> ORGANISM: Oryza sativa
55 <400> SEQUENCE: 2

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56 gctagcagag ctcgtcacag ctcaaacaag tcaagagcga atagttcttg ctgatctgtt 60
57 gtttgattac tttagttctc gagaggcttt agctgaatcc atcgatcgat catggaggat 120
58 gagaggaaca cggagagcca ccagggtggc gaggctgcag agcagggtga ggtgaaggac 180
59 aggggcctct tcgacaacct ctttggcagg aagaaggacg atcagccgga ggagaagaag 240
60 catgaggagg agcttgtcac cggcatggag aaggtctccg tggagagacc aaagaaggag 300
61 gagcaccacg ccgagggcga gaagaaggag agcctcctct ccaagctgca ccgatccagc 360
62 tccagctcca gctcgtcgag tgatgaggaa gaggagggtga tcgatgacaa cggcgagggtg 420
63 gtcaagagga agaagaagaa ggggctcaag gagaagatca aggagaagct gcccggccac 480
64 aaggaccatg ccggtgagca tgctcctccg ccgcggcgca cgggcttccc gcgcgggctc 540
65 cgctgcatcc gtggtgacgg ccgcgcccac gccactcctg ctcccgtggt gactcacggc 600
66 gatcaccacc acgacaccgc cgtccccgtg gaaaagatcg aggggtgatca cgccagacgg 660
67 aggcgacctt gccacgtgca cccgaggagg aaaaaagggc ttctctgaca agatcaagga 720
68 gaagctgccc ggcggccaca agaagccgga agacgcaact gctgtgccgc cgccggccgc 780
69 ctaccgggtt gctcctgcca ctactccggc gccagcacac ccaccgccgg ctacagagga 840
70 agtgagcagc ccgatggga aggagaagaa ggggtatactg ggcaagatca tggagaaact 900
71 gcccggttac cacaagggtt ccggcgagga agacaagacc gccgccgccg ccaccggcga 960
72 gcacaagagc agcgcttaat tggggcggtg gtgagaccag gccatggttg gaatttggaa 1020
73 gtgtttggcg tgtgttagtt tgggtgcttt tctgcaactg agctttgtta agttcgtgtc 1080
74 aagattggtc aaggcctggt cagcgaagcc cgatcagtga tcgaagtttg tgtttcgtgt 1140
75 ggggtacggg cttcagtttg ctatagtcaa gtactagatg ttgagtttgt ttaattatta 1200
76 ttggcactct tgtattgggt ttgggctggg cattctgcct tggtg          1245
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80 <211> LENGTH: 28
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
87 <400> SEQUENCE: 3
88 cacgaagctt tcatcagcta ttcatcaa          28
91 <210> SEQ ID NO: 4
92 <211> LENGTH: 28
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
99 <400> SEQUENCE: 4
100 ccggtacctc gatcgatgga ttcagcta          28
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 1608
105 <212> TYPE: DNA
106 <213> ORGANISM: Oryza sativa
108 <400> SEQUENCE: 5
109 caacaaccac tactgaacac ggctaagtgt gtttctcttc ctgaagatg tcgttattgc 60
110 gttcttttct gctattccat acatatcaat ctctagagga acaccttact ctagctttca 120
111 gacaagggac ggtggtaaat cacgtcgtat cctccatggg gtgtgctccg aaaaaccttc 180
112 cctcatgcat tagagatcat ggggtggaatt tagcgatggc acaccttatt tataatttag 240
113 ttactctccg gcggtacat ctgcttccgt ttgttgatcg atgctggcga tgatgtgtgt 300
114 gagtatcgat caacagaatg atcggacgct atttttgggg tcgttttttt tcagcattga 360
115 ggaggggatga ggattgcttg caacatgcag gtgctgctca aaacaacggg taagcagata 420

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116 tccgtcaatt tgatagtaag atctgtaacg cgtgggtcttt cgagctgaaa actatggact 480
117 ctttgaaaca aagataatat tatattaaat tctattattc aaagatatct aaatatttag 540
118 aaagatatta ataatgttat taaactttga cttacttaaa acaagtccaa aactgcatgt 600
119 ccctaaatcg ccagaagata aggaacacct gtaccctgta taacagaggg gtatgaaatt 660
120 tggacacgag gcttcttttg cagacgtggc gctgagttag cttggctcgc ttgggtcaaac 720
121 tccgtgcagg gacattcagt tagctagcta gcagcattgt cgacaataag atagccttta 780
122 aatgttagca ctcaccagct tgtcāaaaac caaggcttgg tgacggcggc ttcagaatga 840
123 aggatagatg gataaatgtc tagaatatta taaagtccaa caaaagatgg agcacatgca 900
124 tgaaagatta cgtacacgaa tgcagttgat acagtggatg ttaggcataa gaagcactat 960
125 aaatagaggg tgcaatcccc attgccctac acaactacac aagtcgacta tcattacaag 1020
126 gaaattttaag cgaccacgaa ggtatgaaag catagcagta ctctgcattt tttttttttg 1080
127 atgttggtct agctagctct gcttaagggt ttcctttctt tcgttctttg tttttttttt 1140
128 gtaagctcaa ctagtgtcat gcaatttaga tttttatcct ttacagttgg aaaaacatcc 1200
129 ctataaatat taccatgaat gcatagagat tcgaggaagc tacaaattgg acgactgatt 1260
130 ccaaaaaaaa aaaaaaaatc agatgggtcac atcattgcta ttgttttggt aaagtacaaa 1320
131 agcactcggt cggattcaaa ttacttgtgc aaattaatta aaaaccatag aaatgatcat 1380
132 gttaccctta cacatttcgg aaacaatacc atatatgtta gtgtgcatc attcaaattg 1440
133 atttatatct gaacaaaact gagtggaat acggtgagca aacttgacga ttccaaaata 1500
134 atttatatctt aggcāaaatt ttacaacttc aaagttcaaa caagctaacc tgāaaaatca 1560
135 tgtttgāatt tactaagatg tgcttttgta tttactaaac agagtatg 1608

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138 &lt;210&gt; SEQ ID NO: 6

139 &lt;211&gt; LENGTH: 927

140 &lt;212&gt; TYPE: DNA

141 &lt;213&gt; ORGANISM: Oryza sativa

143 &lt;220&gt; FEATURE:

144 &lt;221&gt; NAME/KEY: CDS

145 &lt;222&gt; LOCATION: (69)..(782)

147 &lt;400&gt; SEQUENCE: 6

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C--> 148 cacactcgag cagagcaaat acagttcagg aatcaggagc aagcagaaac acacacacaa 60
150 atccgaag atg tgc ggg atc aag cag gag atg agc ggc gag tcg tcg ggg 110
151 Met Cys Gly Ile Lys Gln Glu Met Ser Gly Glu Ser Ser Gly
152 1 5 10
154 tcg ccg tgc agc tcg gcg tcg gcg gag cgg cag cac cag acg gtg tgg 158
155 Ser Pro Cys Ser Ser Ala Ser Ala Glu Arg Gln His Gln Thr Val Trp
156 15 20 25 30
158 acg gcg ccg ccg aag agg ccg gcg ggg cgg acc aag ttc agg gag acg 206
159 Thr Ala Pro Pro Lys Arg Pro Ala Gly Arg Thr Lys Phe Arg Glu Thr
160 35 40 45
162 agg cac ccg gtg ttc cgc ggc gtg cgg cgg agg ggc aat gcc ggg agg 254
163 Arg His Pro Val Phe Arg Gly Val Arg Arg Gly Asn Ala Gly Arg
164 50 55 60
166 tgg gtg tgc gag gtg cgg gtg ccc ggg cgg cgc ggc tgc agg ctc tgg 302
167 Trp Val Cys Glu Val Arg Val Pro Gly Arg Arg Gly Cys Arg Leu Trp
168 65 70 75
170 ctc ggc acg ttc gac acc gcc gag ggc gcg gcg cgc gcg cac gac gcc 350
171 Leu Gly Thr Phe Asp Thr Ala Glu Gly Ala Ala Arg Ala His Asp Ala
172 80 85 90
174 gcc atg ctc gcc atc aac gcc ggc ggc ggc ggc ggc ggc gga gca tgc 398
175 Ala Met Leu Ala Ile Asn Ala Gly Gly Gly Gly Gly Gly Gly Ala Cys

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176 95          100          105          110
178 tgc ctc aac ttc gcc gac tcc gcg tgg ctc ctc gcc gtg ccg cgc tcc 446
179 Cys Leu Asn Phe Ala Asp Ser Ala Trp Leu Leu Ala Val Pro Arg Ser
180          115          120          125
182 tac cgc acc ctt cgc cga cgt ccg cca cgc cgt gcc gag gcc gtc gag 494
183 Tyr Arg Thr Leu Arg Arg Arg Pro Pro Arg Arg Ala Glu Ala Val Glu
184          130          135          140
186 gac ttc ttc cgg cgc cgc ctc gcc gac gac gcg ctg tcc gcc acg tcg 542
187 Asp Phe Phe Arg Arg Arg Leu Ala Asp Asp Ala Leu Ser Ala Thr Ser
188          145          150          155
190 tcg tcc tcg acg acg ccg tcc acc cca cgc acc gac gac gac gag gag 590
191 Ser Ser Ser Thr Thr Pro Ser Thr Pro Arg Thr Asp Asp Asp Glu Glu
192          160          165          170
195 tcc gcc gcc acc gac ggc gac gag tcc tcc tcc ccg gcc agc gac ctg 638
196 Ser Ala Ala Thr Asp Gly Asp Glu Ser Ser Ser Pro Ala Ser Asp Leu
197 175          180          185          190
199 gcg ttc gaa ctg gac gtc ctg agt gac atg ggc tgg gac ctg tac tac 686
200 Ala Phe Glu Leu Asp Val Leu Ser Asp Met Gly Trp Asp Leu Tyr Tyr
201          195          200          205
203 gcg agc ttg gcg cag ggg atg ctc atg gag cca cca tcg gcg gcg ctc 734
204 Ala Ser Leu Ala Gln Gly Met Leu Met Glu Pro Pro Ser Ala Ala Leu
205          210          215          220
207 ggc gac gac ggt gac gcc atc ctc gcc gac gtc cca ctc tgg agc tac 782
208 Gly Asp Asp Gly Asp Ala Ile Leu Ala Asp Val Pro Leu Trp Ser Tyr
209          225          230          235
211 tagagctcaa tcaactgtac aattttgcct cttttttctc tcttttcttg cttccgatgc 842
212 caaaattttg gtactgtacg gacactactt tcggtaatgt gatggaacaa gttgcaaac 902
213 aaaaaaaaaa aaaaaaaaaa aaaaaa 927
216 <210> SEQ ID NO: 7
217 <211> LENGTH: 1437
218 <212> TYPE: DNA
219 <213> ORGANISM: Arabidopsis thaliana
221 <220> FEATURE:
222 <221> NAME/KEY: CDS
223 <222> LOCATION: (167)..(1171)
225 <400> SEQUENCE: 7
226 gctgtctgat aaaaagaaga ggaaaactcg aaaaagctac acacaagaag aagaagaaaa 60
227 gatacgagca agaagactaa acacgaaagc gatttatcaa ctcgaaggaa gagactttga 120
228 ttttcaaatt tcgtccccta tagattgtgt tgtttctggg aaggag atg gca gtt 175
229          Met Ala Val
230          1
231 tat gat cag agt gga gat aga aac aga aca caa att gat aca tcg agg 223
232 Tyr Asp Gln Ser Gly Asp Arg Asn Arg Thr Gln Ile Asp Thr Ser Arg
233          5          10          15
234 aaa agg aaa tct aga agt aga ggt gac ggt act act gtg gct gag aga 271
235 Lys Arg Lys Ser Arg Ser Arg Gly Asp Gly Thr Thr Val Ala Glu Arg
236 20          25          30          35
237 tta aag aga tgg aaa gag tat aac gag acc gta gaa gaa gtt tct acc 319
238 Leu Lys Arg Trp Lys Glu Tyr Asn Glu Thr Val Glu Glu Val Ser Thr

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239		40		45		50		
240	aag aag agg aaa gta cct gcg aaa ggg tcg aag aag ggt tgt atg aaa	367						
241	Lys Lys Arg Lys Val Pro Ala Lys Gly Ser Lys Lys Gly Cys Met Lys							
242		55		60		65		
243	ggg aaa gga gga cca gag aat agc cga tgt agt ttc aga gga gtt agg	415						
244	Gly Lys Gly Gly Pro Glu Asn Ser Arg Cys Ser Phe Arg Gly Val Arg							
245		70		75		80		
246	caa agg att tgg ggt aaa tgg gtt gct gag atc aga gag cct aat cga	463						
247	Gln Arg Ile Trp Gly Lys Trp Val Ala Glu Ile Arg Glu Pro Asn Arg							
248		85		90		95		
249	ggg agc agg ctt tgg ctt ggt act ttc cct act gct caa gaa gct gct	511						
250	Gly Ser Arg Leu Trp Leu Gly Thr Phe Pro Thr Ala Gln Glu Ala Ala							
251	100		105		110		115	
252	tct gct tat gat gag gct gct aaa gct atg tat ggt cct ttg gct cgt	559						
253	Ser Ala Tyr Asp Glu Ala Ala Lys Ala Met Tyr Gly Pro Leu Ala Arg							
254		120		125		130		
255	ctt aat ttc cct cgg tct gat gcg tct gag gtt acg agt acc tca agt	607						
256	Leu Asn Phe Pro Arg Ser Asp Ala Ser Glu Val Thr Ser Thr Ser Ser							
257		135		140		145		
258	cag tct gag gtg tgt act gtt gag act cct ggt tgt gtt cat gtg aaa	655						
259	Gln Ser Glu Val Cys Thr Val Glu Thr Pro Gly Cys Val His Val Lys							
260		150		155		160		
261	aca gag gat cca gat tgt gaa tct aaa ccc ttc tcc ggt gga gtg gag	703						
262	Thr Glu Asp Pro Asp Cys Glu Ser Lys Pro Phe Ser Gly Gly Val Glu							
263		165		170		175		
264	ccg atg tat tgt ctg gag aat ggt gcg gaa gag atg aag aga ggt gtt	751						
265	Pro Met Tyr Cys Leu Glu Asn Gly Ala Glu Glu Met Lys Arg Gly Val							
266	180		185		190		195	
267	aaa gcg gat aag cat tgg ctg agc gag ttt gaa cat aac tat tgg agt	799						
268	Lys Ala Asp Lys His Trp Leu Ser Glu Phe Glu His Asn Tyr Trp Ser							
269		200		205		210		
270	gat att ctg aaa gag aaa gag aaa cag aag gag caa ggg att gta gaa	847						
271	Asp Ile Leu Lys Glu Lys Glu Lys Gln Lys Glu Gln Gly Ile Val Glu							
272		215		220		225		
273	acc tgt cag caa caa cag cag gat tcg cta tct gtt gca gac tat ggt	895						
274	Thr Cys Gln Gln Gln Gln Asp Ser Leu Ser Val Ala Asp Tyr Gly							
275		230		235		240		
276	tgg ccc aat gat gtg gat cag agt cac ttg gat tct tca gac atg ttt	943						
277	Trp Pro Asn Asp Val Asp Gln Ser His Leu Asp Ser Ser Asp Met Phe							
278		245		250		255		
279	gat gtc gat gag ctt cta cgt gac cta aat ggc gac gat gtg ttt gca	991						
280	Asp Val Asp Glu Leu Leu Arg Asp Leu Asn Gly Asp Asp Val Phe Ala							
281	260		265		270		275	
282	ggc tta aat cag gac cgg tac ccg ggg aac agt gtt gcc aac ggt tca	1039						
283	Gly Leu Asn Gln Asp Arg Tyr Pro Gly Asn Ser Val Ala Asn Gly Ser							
284		280		285		290		
285	tac agg ccc gag agt caa caa agt ggt ttt gat ccg cta caa agc ctc	1087						
286	Tyr Arg Pro Glu Ser Gln Gln Ser Gly Phe Asp Pro Leu Gln Ser Leu							
287		295		300		305		

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/550,584

DATE: 10/07/2005

TIME: 16:33:58

Input Set : A:\PTO.AMC.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:148 M:112 C: (48) String data converted to lower case,

M:112 Repeated in SeqNo=6